



## RayBiotech, Inc.

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# Certificate of Analysis and DataSheet

## Hamster anti Mouse CD28

**Catalog No.**  
MD-11-0048

**Species**  
Hamster

**Isotype**  
IgG

### Preparation

**Host Animal:** Hamster  
**Purification:** Protein A chromatography

### Specificity

Recognizes the CD28 co-stimulatory receptor, a ligand of CD80 (B7-1) and CD86 (B7-2). CD28 is important for transmitting co-stimulatory signals for optimal T-cell activation. Present on most thymocytes, CD4<sup>+</sup>, CD8<sup>+</sup> T-cells.

### Formulation

**Format:** Purified, Liquid  
**Concentration:** 0.5mg/ml (OD280nm)  
**Affinity Constant:** Not determined.  
**Buffer:** 0.01M PBS, pH 7.2 containing 1% BSA.  
**Preservative:** 0.09% Sodium Azide  
**Source:** Cell culture

### Application

Anti-CD28 has application in flow cytometric analysis of T-cells. May be used to stimulate T-cells in vitro. We suggest using 1 $\mu$ g to stain 1x10<sup>6</sup> cells in flow cytometric applications. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

### Storage

Store lyophilized product at 2-8°C. After reconstitution, aliquot and store at -20°C. The addition of 0.1% (w/v) sodium azide is recommended for storage of the reconstituted form for up to one month at 2-8°C.

**The products are furnished for LABORATORY RESEARCH USE ONLY.  
Not for diagnostic or therapeutic use.**